'What Iş Claimed Is:

- 1. A device for predicting the starting ability of a vehicle having an internal combustion engine and a starter which is supplied with electrical power by a vehicle battery (1), characterized by
 - a battery state detection device (2) for determining the state of charge (SOC) of the vehicle battery (1),
 - a device (5) which uses a discharge current curve (I_{Batt,disch}) to determine the charge (deltaSOC) drained from the vehicle battery (1) during a predefined time period (t_{off}) when the vehicle is shut off,
 - a device (9) which calculates the state of charge (SOCnew) of the vehicle battery (1) after the predefined time period (t_{off}) ,
 - a device (3) for determining an electrical battery variable (I_{start}) in which a characteristics map of the electrical battery variable (I_{start}) is stored as a function of the state of charge (SOC) of the battery (1), a value of the electrical battery variable (I_{start}), which is present after the predefined time period (t_{off}), being read out from the characteristics map, and
 - a prediction device (4) which uses the read out electrical battery value (I_{start}) to determine whether or not the vehicle is able to start after the predefined time period (t_{off}).
- 2. The device as recited in Claim 1, wherein the characteristics map, stored in the device (3) for determining an electrical battery variable (I_{start}), is a current, voltage, or power characteristics map.

- 3. The device as recited in Claim 1 or 2, wherein the characteristics map, stored in the device (3) for determining an electrical battery variable, is a function of the temperature (T).
- 4. The device as recited in one of the preceding claims, wherein a device (6) for predicting the temperature (T) anticipated to prevail after the predefined time period $(t_{\rm off})$ is provided, the determined temperature (T) being taken into account in the determination of the electrical battery variable $(I_{\rm start})$.
- 5. The device as recited in one of the preceding claims, wherein a characteristics map (10) of a mechanical variable of a starting system is stored in the prediction device (4).
- 6. The device as recited in one of the preceding claims, wherein a torque characteristics map (10) of the starting system and an engine torque characteristics curve (11) are stored in the prediction device (6).
- 7. The device as recited in Claim 6, wherein the torque characteristics map (10) of the starting system is a function of the state of charge (SOC) of the vehicle battery (1).
- 8. The device as recited in Claim 6 or 7, wherein the torque characteristics map (10) of the starting system is a function of the temperature (T).
- 9. The device as recited in one of the preceding claims, wherein a device (6) for measuring an electrical variable (I_{Batt}) of the vehicle battery (1) during a starting operation

is provided and can be used to correct the stored characteristics map.

- 10. The device as recited in one of the preceding claims, wherein characteristic curves for different starting systems are stored in the device (3) for determining an electrical battery variable (I_{start}).
- 11. A method for predicting the starting ability of a vehicle having an internal combustion engine and a starter which is supplied with electrical power by a vehicle battery (1), characterized by the following steps:
 - Determining the instantaneous state of charge (SOC) of the vehicle battery (1) via a battery state detection device (2),
 - Determining the charge (deltaSOC) drained from the vehicle battery (1) during a predefined time period (toff) when the vehicle is shut off,
 - Calculating the state of charge (SOCnew) of the vehicle battery (1) after the predefined time period $(t_{\rm off})$,
 - Determining an electrical battery variable (I_{start}) on the basis of the calculated future state of charge (SOCnew) of the vehicle battery (1) from a characteristics map stored in a device (3),
 - Determining whether or not the vehicle is able to start after the predefined time period $(t_{\rm off})$ via a prediction device (4) which determines the starting ability on the basis of the battery variable $(I_{\rm start})$ determined from the characteristics map.
- 12. The method as recited in Claim 11, wherein a characteristics map for a starting current is stored

in the device (3) for determining an electrical battery variable as a function of the state of charge (SOC) of the vehicle battery (1), a starting current (I_{start}), which occurs after the predefined time period (t_{off}), being determined from the characteristics map.

13. The method as recited in Claim 11 or 12, wherein the prediction device (4) carries out a torque comparison between an engine torque (M_{engine}) and a torque ($M_{startsystem}$) of a starting system in order to determine a torque (M) acting in the future.